## SEQUENCE LISTING

(1	)	GENERAL	INFORMATION:
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- (i) APPLICANT: Lizardi, Paul M.
- (ii) TITLE OF INVENTION: Multiple Displacement Amplification
- (iii) NUMBER OF SEQUENCES: 14
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Patrea L. Pabst
  - (B) STREET: 2800 One Atlantic Center 1201 West Peachtree Street
  - (C) CITY: Atlanta
  - (D) STATE: Georgia
  - (E) COUNTRY: USA
  - (F) ZIP: 30306-3450
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER: IBM PC compatible
  - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER:
  - (B) FILING DATE:
  - (C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Pabst, Patrea L.
  - (B) REGISTRATION NUMBER: 31,284
  - (C) REFERENCE/DOCKET NUMBER: YU 119 CON
  - (ix) TELECOMMUNICATION INFORMATION:
    - (A) TELEPHONE: (404)873-8794
    - (B) TELEFAX: (404)873-8795
- (2) INFORMATION FOR SEQ ID NO:1:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 19 base pairs
      - (B) TYPE: nucleic acid
      - (C) STRANDEDNESS: single
      - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: DNA
  - (iii) HYPOTHETICAL: NO
  - (iv) ANTI-SENSE: NO
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

## GTTGATACAT CAACTGCAC

- (2) INFORMATION FOR SEQ ID NO:2:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 19 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: DNA

19

(111)	HYPOTHETICAL: NO				
(iv)	ANTI-SENSE: NO				
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:2:			
CAATTAC	CTG AAGTCTTTC				19
•					
(2) INF	ORMATION FOR SEQ ID NO:3:				
	SEQUENCE CHARACTERISTICS:				
(1)	(A) LENGTH: 19 base pairs				
	(B) TYPE: nucleic acid				
	(C) STRANDEDNESS: single				
	(D) TOPOLOGY: linear				
	MOLECULE TYPE: DNA				
	HYPOTHETICAL: NO				
	ANTI-SENSE: NO				
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:3:			
			•		
TTGTCAT	ATT GTATCATGC				19
		-	٠		
(2) INF	ORMATION FOR SEQ ID NO:4:	• •	•		
(i)	SEQUENCE CHARACTERISTICS:			•	
	(A) LENGTH: 19 base pairs				
	(B) TYPE: nucleic acid				
	(C) STRANDEDNESS: single		•		
	(D) TOPOLOGY: linear	·			
(ii)	MOLECULE TYPE: DNA			•	
	HYPOTHETICAL: NO				
	ANTI-SENSE: NO		4	. :	
	SEQUENCE DESCRIPTION: SEQ ID	NO:4:	· **		•
	SEQUENCE DESCRIPTION: SEQ ID	NO:4:	. T		
(xi)	gen en en en	NO:4:			19
(xi)	SEQUENCE DESCRIPTION: SEQ ID AAT AAGAGTAGC	NO:4:			19
(xi)	AAT AAGAGTAGC	NO:4:			19
(xi) AAGATGA (2) INF	AAT AAGAGTAGC  ORMATION FOR SEQ ID NO:5:	NO:4:			19
(xi) AAGATGA (2) INF	AAT AAGAGTAGC  ORMATION FOR SEQ ID NO:5:  SEQUENCE CHARACTERISTICS:				19
(xi) AAGATGA (2) INF	AAT AAGAGTAGC  ORMATION FOR SEQ ID NO:5:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 19 base pairs				19
(xi) AAGATGA (2) INF	AAT AAGAGTAGC  ORMATION FOR SEQ ID NO:5:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 19 base pairs  (B) TYPE: nucleic acid				19
(xi) AAGATGA (2) INF	AAT AAGAGTAGC  ORMATION FOR SEQ ID NO:5:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 19 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single				19
(xi)  AAGATGA  (2) INF  (i)	AAT AAGAGTAGC  ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				19
(xi) AAGATGA (2) INF (i)	AAT AAGAGTAGC  ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA				19
(xi)  AAGATGA (2) INF (i)  (ii) (iii)	AAT AAGAGTAGC  ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO				19
(xi)  AAGATGA (2) INF (i) (ii) (iii) (iv)	AAT AAGAGTAGC  ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO				19
(xi)  AAGATGA (2) INF (i) (ii) (iii) (iv)	AAT AAGAGTAGC  ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO				19
(xi)  AAGATGA (2) INF (ii) (iii) (iv) (xi)	ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID				
(xi)  AAGATGA (2) INF (ii) (iii) (iv) (xi)	AAT AAGAGTAGC  ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO				19
(xi)  AAGATGA (2) INF (ii) (iii) (iv) (xi)  TGCATGC	ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID	NO:5:			
(xi)  AAGATGA (2) INF (ii) (iii) (iv) (xi)  TGCATGC (2) INF	ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID TAG ATGCTGATA ORMATION FOR SEQ ID NO:6:	NO:5:			
(xi)  AAGATGA (2) INF (ii) (iii) (iv) (xi)  TGCATGC (2) INF	ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID TAG ATGCTGATA ORMATION FOR SEQ ID NO:6: SEQUENCE CHARACTERISTICS:	NO:5:			
(xi)  AAGATGA (2) INF (ii) (iii) (iv) (xi)  TGCATGC (2) INF	ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID TAG ATGCTGATA  ORMATION FOR SEQ ID NO:6: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs	NO:5:			
(xi)  AAGATGA (2) INF (ii) (iii) (iv) (xi)  TGCATGC (2) INF	ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID TAG ATGCTGATA  ORMATION FOR SEQ ID NO:6: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid	NO:5:			
(xi)  AAGATGA (2) INF (ii) (iii) (iv) (xi)  TGCATGC (2) INF	ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID TAG ATGCTGATA  ORMATION FOR SEQ ID NO:6: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	NO:5:			
(xi)  AAGATGA (2) INF (ii) (iii) (iv) (xi)  TGCATGC (2) INF (i)	ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID TAG ATGCTGATA  ORMATION FOR SEQ ID NO:6: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	NO:5:			
(xi)  AAGATGA (2) INF (ii) (iii) (iv) (xi)  TGCATGC (2) INF (i)	ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID TAG ATGCTGATA  ORMATION FOR SEQ ID NO:6: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	NO:5:			
(xi)  AAGATGA (2) INF (ii) (iii) (iv) (xi)  TGCATGC (2) INF (ii)	ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID TAG ATGCTGATA  ORMATION FOR SEQ ID NO:6: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	NO:5:			
(xi)  AAGATGA  (2) INF  (ii)  (iii)  (iv)  (xi)  TGCATGC  (2) INF  (i)  (ii)	ORMATION FOR SEQ ID NO:5: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID TAG ATGCTGATA  ORMATION FOR SEQ ID NO:6: SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA	NO:5:			

TATGACTGTA CGCCACTGT

(2) INF	ORMATION FOR SEQ ID NO:7:				•	
(i)	SEQUENCE CHARACTERISTICS:					
	(A) LENGTH: 19 base pairs		•			. •
	(B) TYPE: nucleic acid					
	(C) STRANDEDNESS: single	•			-	
	(D) TOPOLOGY: linear					
(ii)	MOLECULE TYPE: DNA					
	HYPOTHETICAL: NO					
-	ANTI-SENSE: NO					
		0.7.				
(X1)	SEQUENCE DESCRIPTION: SEQ ID NO	0:7:				
AGAGTTT	CTT TGAGTAATC					19
(2) INF	ORMATION FOR SEQ ID NO:8:					
	SEQUENCE CHARACTERISTICS:					
, _ ,	(A) LENGTH: 19 base pairs					
	(B) TYPE: nucleic acid				*	
	(C) STRANDEDNESS: single					
	(D) TOPOLOGY: linear					
(33)	MOLECULE TYPE: DNA			•		
	HYPOTHETICAL: NO					
	ANTI-SENSE: NO		•		•	
	SEQUENCE DESCRIPTION: SEQ ID NO	0.8.				
(XI)	SEQUENCE DESCRIPTION: SEQ ID IN	O. Q.				-
TTACAAC	CAC TAAACCCAC	•	•	•		19
		•				
	ORMATION FOR SEQ ID NO:9:	•	A time	•		
(i)	SEQUENCE CHARACTERISTICS:					
	(A) LENGTH: 19 base pairs		٠.			
	(B) TYPE: nucleic acid					•
	(C) STRANDEDNESS: single					
	(D) TOPOLOGY: linear					
(ii)	MOLECULE TYPE: DNA			•	-	
	HYPOTHETICAL: NO					
	ANTI-SENSE: NO					
	SEQUENCE DESCRIPTION: SEQ ID N	0-9-	**			
· (XT)	SEQUENCE DESCRIPTION. SEQ 15 N	0.5.			•	
AATCGCC	AGA GAAATCTAC					19
			•			•
(2) INF	ORMATION FOR SEQ ID NO:10:	4.				
(i)	SEQUENCE CHARACTERISTICS:		*			
	(A) LENGTH: 19 base pairs					~
	(B) TYPE: nucleic acid	•				
	(C) STRANDEDNESS: single				•	
	(D) TOPOLOGY: linear					
(ii)	MOLECULE TYPE: DNA	٠.				
	HYPOTHETICAL: NO					
	ANTI-SENSE: NO					
(xi)	SEQUENCE DESCRIPTION: SEQ ID N	0:10:		•	•	
AGGGTTA	ATGC GTTGTTCCA					19
(0)	COMMUNICAL CON CEO TO MO. 11					
(Z) TNF	FORMATION FOR SEQ ID NO:11:					

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 19 base pairs(B) TYPE: nucleic acid

(C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: DNA		
(iii) HYPOTHETICAL: NO		. •
(iv) ANTI-SENSE: NO		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO.11.	
(XI) SEQUENCE DESCRIPTION: SEQ ID	NO.11.	
TGTTAAGCAA CGCACTCTC		19
(2) INFORMATION FOR SEQ ID NO:12:		
(i) SEQUENCE CHARACTERISTICS:	·	
(A) LENGTH: 19 base pairs		
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single	·	
(D) TOPOLOGY: linear	•	
(ii) MOLECULE TYPE: DNA		
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO		•
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:12:	
AGTCTGGCGT AACCATCAT		19
AGICIGGCGI AACCAICAI		19
(2) INFORMATION FOR SEQ ID NO:13:		
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 19 base pairs		
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single	•	
(D) TOPOLOGY: linear	Age to the	
(ii) MOLECULE TYPE: DNA	•	
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:13:	
AATAGTGTCT TTTGTGTCC		19
	•	
(2) INFORMATION FOR SEQ ID NO:14:		
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 19 base pairs		
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: DNA		
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO	NO - 14 -	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 14:	

GCTTGTTACG GTTGATTTC

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